### Transfer Goals

- Recognize the 10 to 1 relationship among place-value positions.
- Read and write whole numbers through hundred millions.
- Write and evaluate repeated factors in exponent form.
- Multiply by 1- and 2-digit numbers using properties and a standard algorithm.
- Use multiplication to solve division problems.
- Use the strategy solve a simpler problem to solve problems.
- Write numerical expressions and evaluate numerical expressions using order of operations.
- Divide 3- and 4-digit dividends by 1-digit divisors using a variety of strategies.
- Divide by 2-digit divisors using base-ten blocks, place value, and other strategies.
- Estimate quotients using compatible numbers.
- Solve division problems and decide when to write a remainder as a fraction.
- Solve problems by using the strategy draw a diagram
- Model, read, and write decimals to thousandths.
- Compare and order decimals to thousandths using place value.
- Round decimals to any place.
- Add and subtract decimals using base-ten blocks and place value.
- Make reasonable estimates of decimal sums

### Unit 1: Fluency with Whole Numbers and Decimals

**Pace:** September-December (12 Weeks)
**Chapters:** 1-5

- Add fractions with unlike denominators using models, drawings, properties, and equivalent fractions.
- Subtract fractions with unlike denominators using models, drawings, and equivalent fractions.
- Make reasonable estimates of fraction sums and differences.
- Add and subtract mixed numbers with unlike denominators.
- Identify, describe, and create numerical patterns with fractions.
- Solve problems using the strategy work backward.
- Model to find the fractional part of a group.
- Multiply fractions and whole numbers using models, drawings, and other strategies.
- Multiply fractions using models, drawings, and other strategies.
- Multiply mixed numbers using drawings and other strategies.
- Relate the size of the product compared to the size of one factor when multiplying fractions less than one and greater than one.
- Solve problems using the strategy guess, check, and revise.
- Divide a whole number by a fraction and divide a fraction by a whole number using models, drawings, and other strategies.
- Solve problems using the strategy draw a diagram.
- Interpret a fraction as division and solve whole-number division problems that result in a fraction

### Unit 2: Operations with Fractions

**Pace:** December-March (12 Weeks)
**Chapters:** 6-8

- Make and use line plots with fractions to solve problems.
- Graph and name points on a coordinate grid using ordered pairs.
- Analyze and display data in a line graph.
- Use two rules to generate a numerical pattern and identify the relationship between the corresponding terms in the patterns.
- Solve problems using the strategy solve a simpler problem.
- Graph the relationship between two numerical patterns on a coordinate grid.
- Compare, contrast, and convert customary units of length, capacity, and weight.
- Convert measurement units to solve multistep problems.
- Compare, contrast, and convert metric units.
- Solve problems about customary and metric conversions using the strategy make a table.
- Convert units of time to solve elapsed time problems.
- Classify and compare polygons, triangles, and quadrilaterals using their properties.
- Solve problems using the strategy act it out and make a table.
- Identify, describe, and classify three-dimensional figures.
- Understand unit cubes and how they can be used to build a solid figure.
- Estimate volume of a rectangular prism and find the volume of a rectangular prism by
- Identify, describe, and create numerical patterns with decimals.
- Solve problems using the strategy make a table.
- Multiply a decimal and a whole number using drawings and place value.
- Solve problems using the strategy draw a diagram to multiply money.
- Multiply decimals using drawings and place value.
- Estimate decimal quotients.
- Divide decimals by whole numbers using drawings and place value.
- Model division by decimals using drawings and place value.
- Solve multistep decimal problems using the strategy work backward.

**Essential Questions / Understandings**

- How can you use place value, multiplication, and expressions to represent and solve problems?
- How can you divide whole numbers?
- How can you add and subtract decimals?
- How can you solve decimal multiplication problems?
- How can you solve decimal division problems?
- How can you add and subtract fractions with unlike denominators?
- How do you multiply fractions?
- What strategies can you use to solve division problems involving fractions?
- How can you use line plots, coordinate grids, and patterns to help you graph and interpret data?
- What strategies can you use to compare and convert measurements?
- How do unit cubes help you build solid figures and understand the volume of a rectangular prism?

**Assessments:**

**Formative and Summative**

- Teacher Observation
- Student Assessments (Go Math chapter tests, unit tests & enrichment tests)
- Cross-Curricular Center Activities
- Teacher Observation
- Student Assessments (Go Math chapter tests, unit tests & enrichment tests)
- Cross-Curricular Center Activities

**Assessments:**

**Benchmark and Alternative**

- Beginning of Year Assessment
- End of Year Assessment
- Online Assessment System
- Teacher-created Tasks
- Beginning of Year Assessment
- End of Year Assessment
- Online Assessment System
- Teacher-created Tasks

**Modifications, Accommodations, and Enrichment**

- Enrichment Activities
- Reteach Activities
- Grab & Go Centers Kit
- Teacher-made games
- Chapter Literature
- Chapter Activity Cards
- iPads
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- Reteach Activities
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- Find the volume of combined rectangular prisms.
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